

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:** Casey, William**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-028742**Date Inspected:** 07-Nov-2012**Project Name:** SAS Superstructure**OSM Arrival Time:** 800**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1730**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Job Site**CWI Name:** See below.**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG**Summary of Items Observed:**

Quality Assurance Inspector (QA) Fritz Belford was at the American Bridge/Fluor (ABF) job site at Yerba Buena Island in California between the times noted above in order to monitor Quality Control functions and the in process work being performed by ABF personnel. The following items were observed:

**Welder Eric Sparks #3040:**

Welder was observed performing exterior weld repairs on weld 12W W2.1-A1 on Ultrasonic Testing (UTSW) and Visual Testing rejects noted by QA Inspectors. Welder was observed utilizing Welding Procedure Specification (WPS) ABF-WPS-D15-1000 Rev.1 for Shielded Metal Arc Welding (SMAW). Welding parameters as verified by QC Inspector Bernard Docena appear to be in compliance with the WPS noted above. Weld is non SPCM, "Request for weld Repair" not required for R1 and R2 repairs.

**Welder Wai Kit Lai #2953:**

Welder was observed performing exterior weld repairs on weld 8W PP61.5 W2-DAH on Ultrasonic Testing (UTSW) and Visual Testing rejects noted by QC Inspectors. Welder was observed utilizing Welding Procedure Specification (WPS) ABF-WPS-D15-1000 Rev.1 for Shielded Metal Arc Welding (SMAW) as per Request for weld Repair RWR 1210044. Welding parameters as verified by QC Inspector Steve Jensen appear to be in compliance with the WPS noted above.

**Non-Destructive Testing (NDT)**

This QA performed Magnetic Particle Testing (MPT) on the following:

12W PP116.5 W5-DAH:

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## WELDING INSPECTION REPORT

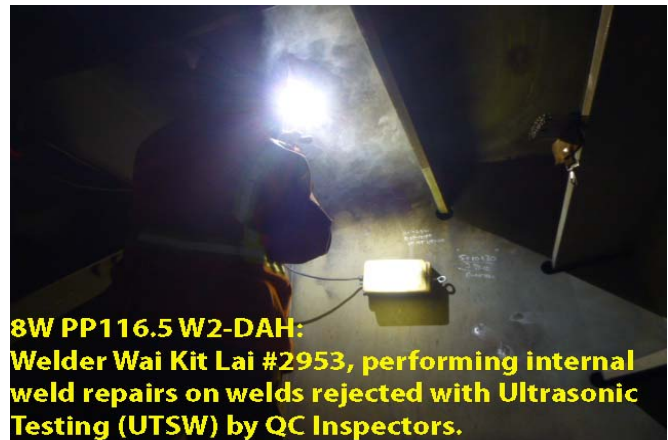
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- Face A, Y 1160 + 1235 = Excavation 150 x 20 x 11 Deep (MPT, Accept.)
- Face A, Y 1630 + 1665 = Excavation 60 x 20 x 11 Deep (MPT, Accept.)
- Face A, Y 1900 = Excavation 60 x 20 x 12 Deep (MPT, Accept.)
- Face A, Y 4340 = Excavation 85 x 20 x 14 Deep (MPT, Accept.)
- Face A, Y 2585 = Excavation 70 x 20 x 9 Deep (MPT, Accept.)
- Face A, Y 2750 + 2755 = Excavation 80 x 25 x 13 Deep (MPT, Accept.)
- Face A, Y 3420 = Excavation 60 x 20 x 9 Deep (MPT, Accept.)

This QA Inspector completed the report form TL-6028 on this date noting items acceptance or rejection as per applicable code. The completed and accepted work observed at this location appeared to be in compliance with the contract specifications.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



### Summary of Conversations:

Conversations as required per scope of work.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Gary Thomas - (916) 764 - 6027, who represents the Office of Structural Materials

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## WELDING INSPECTION REPORT

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for your project.

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<b>Inspected By:</b>	Belford,Fritz	Quality Assurance Inspector
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<b>Reviewed By:</b>	Reyes,Danny	QA Reviewer
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